

PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference IP/P7195/WOD	FOR FURTHER ACTION see Form PCT/ISA/220 as well as, where applicable, item 5 below.	
International application No. PCT/GB2004/001153	International filing date (day/month/year) 18/03/2004	(Earliest) Priority Date (day/month/year) 22/03/2003
Applicant QINETIQ LIMITED		

This International Search Report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.

This International Search Report consists of a total of 5 sheets.

☒ It is also accompanied by a copy of each prior art document cited in this report.

1. Basis of the report

a. With regard to the **language**, the international search was carried out on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.

☐ The international search was carried out on the basis of a translation of the international application furnished to this Authority (Rule 23.1(b)).

b. ☐ With regard to any **nucleotide and/or amino acid sequence** disclosed in the international application, see Box No. I.

2. ☐ **Certain claims were found unsearchable** (See Box II).

3. ☐ **Unity of invention is lacking** (see Box III).

4. With regard to the **title**,

☐ the text is approved as submitted by the applicant.

☒ the text has been established by this Authority to read as follows:

MILLIMETER-WAVE IMAGING APPARATUS

5. With regard to the **abstract**,

☒ the text is approved as submitted by the applicant.

☐ the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box No. IV. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority.

6. With regards to the **drawings**,

a. the figure of the **drawings** to be published with the abstract is Figure No. 2

☐ as suggested by the applicant.

☒ as selected by this Authority, because the applicant failed to suggest a figure.

☐ as selected by this Authority, because this figure better characterizes the invention.

b. ☐ none of the figures is to be published with the abstract.

A. CLASSIFICATION OF SUBJECT MATTER
 IPC 7 G02B26/08 G01S3/789

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
 IPC 7 G02B G01S

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, INSPEC, WPI Data, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	APPLEBY R ET AL: "Compact real-time (video rate) passive millimeter-wave imager" PROC. SPIE - INT. SOC. OPT. ENG. (USA), PROCEEDINGS OF THE SPIE - THE INTERNATIONAL SOCIETY FOR OPTICAL ENGINEERING, 1999, SPIE-INT. SOC. OPT. ENG, USA, vol. 3703, 1 April 1999 (1999-04-01), pages 13-19, XP002289764 ISSN: 0277-786X	1-3,5,6, 13-19
Y	the whole document ----- -/--	4,7-10

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

* Special categories of cited documents:

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

T later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

X document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

Y document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

G document member of the same patent family

Date of the actual completion of the international search

23 July 2004

Date of mailing of the international search report

10/08/2004

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2
 NL - 2280 HV Rijswijk
 Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
 Fax: (+31-70) 340-3016

Authorized officer

Casse, M

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	<p>WILSON W J ET AL: "MILLIMETER-WAVE IMAGING SENSOR" IEEE TRANSACTIONS ON MICROWAVE THEORY AND TECHNIQUES, IEEE INC. NEW YORK, US, vol. 34, no. 10, 1986, pages 1026-1035, XP000885247 ISSN: 0018-9480 page 2, line 12 - page 3, line 14; figures 1-4</p>	1
X	<p>US 4 791 427 A (KOSOWSKY LESTER H ET AL) 13 December 1988 (1988-12-13) column 1, line 19 - column 2, line 32; figure 1 column 2, line 65 - column 5, line 63 column 4, lines 23-26 column 5, lines 17-37</p>	1-3,5-10 7-12
X	<p>ANDERTON R N ET AL: "Real time passive mm-wave imaging" PROC. SPIE - INT. SOC. OPT. ENG. (USA), PROCEEDINGS OF THE SPIE - THE INTERNATIONAL SOCIETY FOR OPTICAL ENGINEERING, 1998, SPIE-INT. SOC. OPT. ENG, USA, vol. 3378, 1 April 1998 (1998-04-01), pages 27-33, XP002289765 ISSN: 0277-786X</p>	1
Y	<p>paragraphs '0003!', '0004!'; compounds 1,3,4</p>	11,12
Y	<p>WO 01/69719 A (HRL LAB LLC ; HARVEY ROBIN (US); SIEVENPIPER DANIEL (US)) 20 September 2001 (2001-09-20) page 1, line 11 - page 3, line 11 page 6, line 23 - page 7, line 24 page 8, lines 25-27</p>	4
A	<p>EP 0 179 687 A (THOMSON CSF) 30 April 1986 (1986-04-30) page 3, line 11 - page 7, line 10; figures 1,2,16 page 13, line 31 - page 14, line 24</p>	1-10
A	<p>WO 01/33258 A (TEGRENE CLARENCE T ; STONER PAUL D (US); MICROVISION INC (US)) 10 May 2001 (2001-05-10) page 2, line 11 - page 3, line 14; figures 1-4,6,10 page 5, line 1 - page 9, line 22</p>	1
A	<p>US 5 999 122 A (SHOUCRI MERIT M ET AL) 7 December 1999 (1999-12-07) column 2, line 60 - column 5, line 20; figure 1</p>	1

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	EP 0 809 123 A (OMRON TATEISI ELECTRONICS CO) 26 November 1997 (1997-11-26) column 4, line 40 - column 7, line 39; figures 3,4 -----	1

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 4791427	A	13-12-1988	NONE	
WO 0169719	A	20-09-2001	AU 5290201 A EP 1269569 A2 JP 2004500776 T WO 0169719 A2	24-09-2001 02-01-2003 08-01-2004 20-09-2001
EP 0179687	A	30-04-1986	FR 2570886 A1 EP 0179687 A1	28-03-1986 30-04-1986
WO 0133258	A	10-05-2001	WO 0133258 A1 AU 1459800 A EP 1234195 A1	10-05-2001 14-05-2001 28-08-2002
US 5999122	A	07-12-1999	NONE	
EP 0809123	A	26-11-1997	US 5760397 A CN 1170306 A , B DE 69728928 D1 EP 0809123 A2 JP 3428374 B2 JP 10153655 A	02-06-1998 14-01-1998 09-06-2004 26-11-1997 22-07-2003 09-06-1998